ITV Operations and Training Newsletter

Check out the AMIS (formerly J-AIT) website: **http://www.ait.army.mil** to view the latest contract(s) for Automatic Identification Technology (AIT) and Radio Frequency Identification (RFID) hardware, software, technical engineering services, and maintenance.

New Look for the RF-ITV Tracking Portal

If you've been on the *RF-ITV Tracking Portal* lately, you've probably noticed the new look of the portal. With the re-design, we've added new queries and some query functions have been consolidated to make tracking your shipments easier. We will be highlighting some of these queries in upcoming newsletters but for this issue, we'll look at the *Track > Sustainment Cargo* query.

The *Sustainment Cargo* query (Figure 1) is a merger of the former *Query Builder* and the *Advanced Search* query. This query can be used to track RFID and satellite tagged shipments using a variety and combination of attributes, e.g.:

- Shipment IDs (Transportation Control Number (TCN), Document Number, Tag ID, Satellite Device ID, and Container Pallet ID)
- Commodity (National Stock Number [NSN], Remarks, and Nomenclature)
- Origin and Destination (Consignor, Ports of Embarkation [POE] or Debarkation [POD], and Consignee)
- Date/Time

Figure 1.

When the *Sustainment Cargo* query is selected, it displays default data points (Figure 2). However, users are not limited to these selections.

Figure 2.

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1 (800) 877-7925 DSN users dial your local DSN off-net access number, wait for dial tone, then dial 1 (800) 877-7925

New functionality of the *RF-ITV Tracking Portal* allows users to customize their query to meet their unique needs (Figure 3).

Figure 3.

The new features of the portal make it easier than ever before to customize the query you need in order to find what you are looking for.   Below is one example of how to use this query to extract the data for your own analysis (Figure 4).

Figure 4.

If this is a query you will need to run again, you can save your query selections by clicking **Save As** before you run your query (Figure 5). The **Query Save As** screen will be displayed (Figure 6). Enter a name for your query. If you want your query to remain for your use only, the default **No** radio button is selected. If you want to make your query public for other users to view, click the **Yes** radio button. Click **Submit** to save your query.

Figure 5.	Figure 6.

Once you've saved your query, click **Submit** to run your query. Your query results will be displayed (Figure 7). Once you have run your query, you can view the data or save it to *Excel* or *PDF* formats.

Figure 7.

If you saved this query for future use, you can run it again by going to **User Profile > Manage Saved Queries** (Figure 8). The list of your saved queries is displayed (Figure 9).

- To run the query again, click the **Run** arrow.

- To edit the query, click the pencil icon.

- To delete the query, click the red **X**.

Figure 8.

Figure 9.

Site Analysis: ALUDEIDABW264, Al Udeid Air Base, Qatar

For this month's analysis, we selected ALUDEIDABW264 (Device ID TECCD6D096E27), the 64 AEG ATOC GATES write site, located on Al Udeid Air Base in Qatar. Utilizing the *RF-ITV Tracking Portal*, we selected *Track > Location Activity > Shipments by Interrogator* and looked at the tag writing workload of this site from 17-31 December 2012. The query identified 48 tags that were written during that period. The results of these data analysis are as follows:

- By comparing the Consignee Department of Defense Activity Address Code (DODAAC), POD on the RFID tag to the Read events of the tag, and Last Reported Interrogator Name, it was determined that 30 of the 48 tagged shipments reached final destination.

- Based on *RF-ITV Tracking Portal* data, the remaining 18 tagged shipments are broken out as follows:

    - Twelve tagged shipments have not been read at final destination. They are as follows:

        - Four tagged shipments were last read leaving Al Udeid Air Base.

        - Eight tagged shipments were last read at Ramstein Air Base, Germany; Bagram Airfield, Afghanistan; and Charleston Air Force Base, South Carolina.

    - Two tagged shipments were re-written while in transit to final destination;

    - Four tagged shipments were last read at Al Udeid Air Base and have no further read events. After further research, we found these tags were erased and reused on other shipments.

- We cannot determine the destination for one tagged shipment due to an invalid Consignee DODAAC; however; by comparing the POD with the interrogator reads, it was determined that this shipment reached final destination. Two tagged shipments had Consignee DODAACs that appear to have been mis-typed. Based on a 'probable' Consignee DODAAC, provided POD code and interrogator reads, it is highly likely one of these shipments did reach final destination and one did not.

- Thirty-four tagged shipments contained identifiable commodity data (e.g., Document Numbers, Nomenclature, National Stock Numbers (NSNs), Routing Identifier Codes (RICs), Quantities, or Units of Issue, and Condition Codes).   Six of the tagged shipments contain no commodity data. The remaining eight tagged shipments contained minimal data that does not provide enough information to definitely identify the shipment. Complete commodity data allows users more options for query searches and provides more complete data sharing with other ITV systems.

- Nine of the POE codes were used incorrectly. All 48 tagged shipments should have used the port code, *IUD*, for Al Udeid Air Base.

- By successfully contacting the site point of contact, it was confirmed that the registered point of contact information was correct. We also confirmed that the latitude/longitude and naming convention on the site registration page were correct.

For and From the Field

Transportation Coordinators' – Automated Information for Movements II (TC-AIMS II) Support and Operations Center (SOC)

If you need assistance with TC-AIMS II, contact the TC-AIMS II SOC at (877) 839-0813 or c4isr.support@us.army.mil.

Trainer RF-ITV Tracking Portal

The Trainer Tracking Portal (https://trainer.rfitv.army.mil/) has implemented CAC access authentication only. In order to access the Trainer, you will need to log in via your CAC. If you have any questions, contact the RF-ITV Global Help Desk at 1 (800) 877-7925 or help.rfitv@us.army.mil.

The RF-ITV Training Team's Tips and Tricks

Verifying the Transfer of Files from SmartChain Workstation 6.0/6.1 to the National RF-ITV Tracking Portal

SmartChain Workstation

File   Help

General ⊗
Shipment ⊗
Assets ⊗
Reports ⊗
Sensors/Timers ⊗
Tags & Devices ⊗

Transactions ⊗
View Transactions
Synchronize with Server
Purge Messages
Edge Services Status

Configuration ⊗
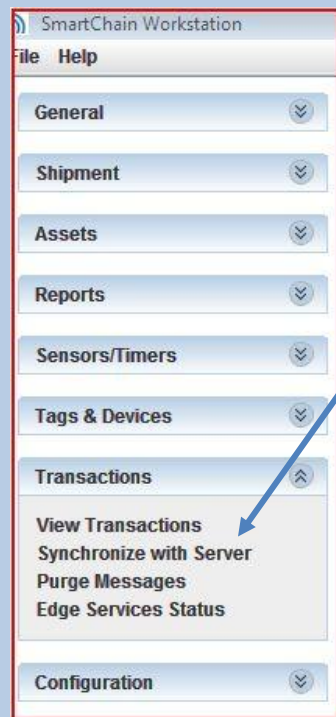
① In order to upload RFID tag data to the National RF-ITV Tracking Portal, select the "Synchronize with Server" option.

Warning

? Are you sure you wish to synchronize transactions?
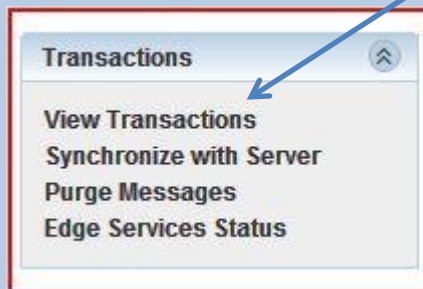
[Yes]   [No]
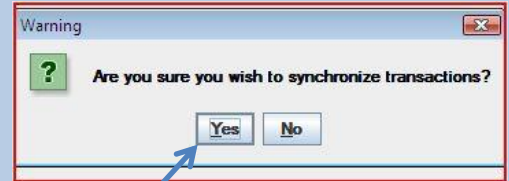
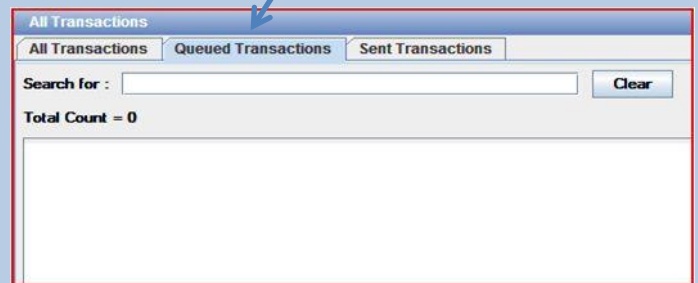② Select "Yes" to start the process. Upon completion, click "OK" when the "Transactions synchronized" box appears.

③ After the files have processed, select the "View Transactions" option.

Transactions ⊗
View Transactions
Synchronize with Server
Purge Messages
Edge Services Status

④ Select the "Queued Transactions" tab, to verify all of the files were uploaded.

⑤ Select the "Sent Transactions" tab, and check the "Transaction Date" column, to verify the uploaded files display the current date and time.

All Transactions

| All Transactions | Queued Transactions | Sent Transactions |

Search for : [   ]   [Clear]
Total Count = 0

All Transactions

| All Transactions | Queued Transactions | Sent Transactions |

Search for : [   ]   [Clear]
Total Count = 10

Transaction	Transaction Date
TAGWRITE	Dec 28, 2012 2:03 PM
CHOKEPOINT	Nov 20, 2012 11:09 AM
DEVICEREGISTRATION	Nov 20, 2012 11:09 AM
DEVICEREGISTRATION	Oct 5, 2012 2:10 PM
DEVICEREGISTRATION	Oct 5, 2012 2:04 PM
DEVICEREGISTRATION	Aug 9, 2012 4:17 PM
DEVICEREGISTRATION	Aug 9, 2012 4:17 PM
DEVICEREGISTRATION	Aug 9, 2012 12:48 PM
DEVICEREGISTRATION	Jul 25, 2012 3:19 PM
DEVICEREGISTRATION	Jun 27, 2012 2:01 PM

Transactions ⊗
View Transactions
Synchronize with Server
Purge Messages
Edge Services Status

⑥ The next step is to verify the files processed through Workstation, and into Edge Services. Select "Edge Services Status" under the Transactions dropdown.
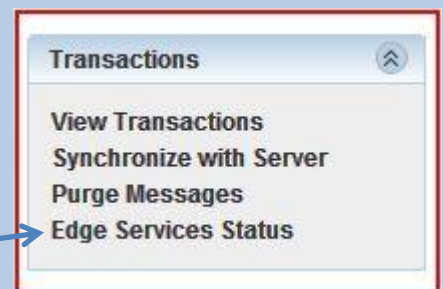
⑦ Verify that there are no files listed under "Transactions Queued".

Edge Services Status

Session started at :
08 JAN 2013 10:51:31

Transactions received	: 7
Transactions queued	: 7
Transactions aborted	: 0
Transactions delivered to server	: 0

⑧ If there are any files under "Transactions Queued", select the "Resend" button on the bottom of the page. A successful submission box will follow.

Resend	Refresh	Back

Information ✕

Request to resend messages with aborted deliveries has been successfully submitted. Any message that failed to upload to ITV will now be re-tried.

OK

After all files have been uploaded, log onto the National RF-ITV Tracking Portal, and verify your RFID tag data has been properly posted.

RF-ITV Global Help Desk (GHD)

Toll Free: 1 (800) 877-7925. **DSN**: Dial your local DSN off-net access number, wait for dial tone, and then dial 1 (800) 877-7925.
AKO Instant Messenger Username: help.rfitv
Help available 24 hours/7 days a week
Email: help.rfitv@us.army.mil

The RFID GHD should be contacted before any attempt to reach an FSE in your area.

If you would like to subscribe to the newsletter or if you have a noteworthy RF-ITV story, lesson-learned, or short article for publication in the newsletter, please submit to Jerry Rodgers, AMIS, jerry.d.rodgers.ctr@mail.mil.